

PROJECT DESCRIPTION

I. GENERAL

This project involves the replacement of invasive micro loop probes with non-invasive micro loop probes at the intersection of MD 589 and Manklin Creek Road for passage detection. This replacement is due to the upcoming milling and overlay project on MD 589.

II. INTERSECTION OPERATION

- The intersection will continue to operate in a NEMA (6) six-phase, semi-actuated mode, with the Northbound and Southbound left turns operating concurrently. Eastbound and Westbound movements operate in split phase. Firehouse pre-emption is also incorporated at this intersection.
- An existing NEMA full-traffic-actuated eight (8) phase controller housed in a NEMA size 6 base mounted cabinet shall be utilized at this location.

NOTES

- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The Contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.
- All existing traffic signal equipment removed shall become the property of the Contractor upon completion of the signal.
- The Contractor shall be responsible for identifying and labeling each existing cable utilizing the conduit between the signal cabinet and the nearest handhole and removing from all conduits, handholes, and the cabinet any unused cables prior to the installation of new cables. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.

CONTACTS

DISTRICT

MR. DONNIE L. DREWER
DISTRICT ENGINEER
410-677-4006

MR. KENNETH CIMINO
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-677-4040

MR. BRUCE W. POOLE
UTILITY ENGINEER
410-677-4082

MR. GREG HOLSEY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-677-4020

MR. WAYNE WEICHMAN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-677-4010

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
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B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1003	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	EA	1
8023	NONINVASIVE DETECTOR (ANY LENGTH) LEAD IN CABLE UP TO 1000'	EA	2
8024	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	EA	1
8034	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED	LF	160
8036	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	35
8044	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	4

C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

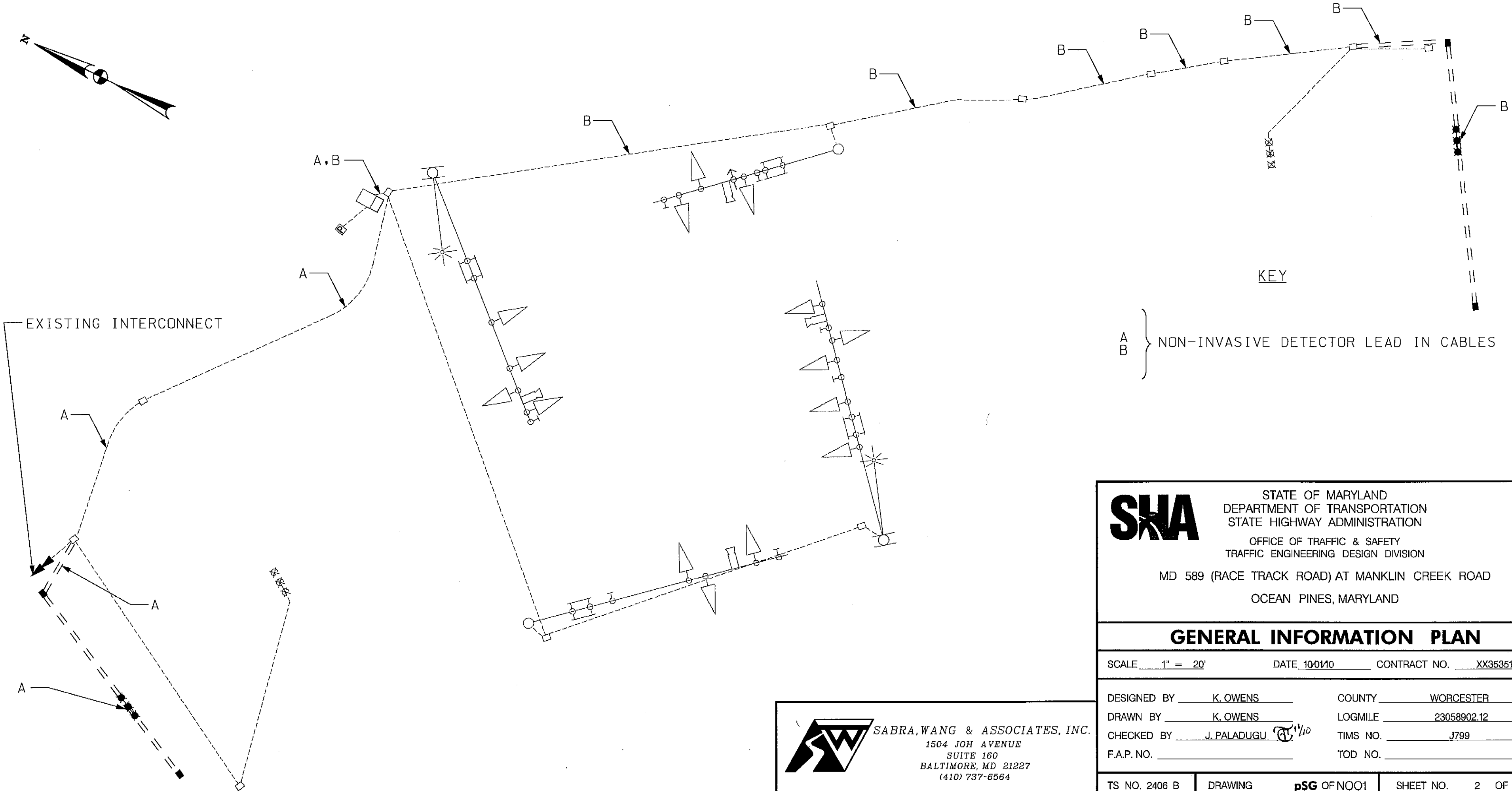
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

PHASE 1 AND 5																	
1 AND 5 CHANGE TO PHASE 1 & 6 OR PHASE 2 & 5 OR PHASE 2 & 6																	
PHASE 1 AND 6																	
1 CHANGE																	
PHASE 2 AND 5																	
5 CHANGE																	
PHASE 2 AND 6																	
2 AND 6 CHANGE																	
PHASE 3																	
3 CHANGE																	
PHASE 4																	
4 CHANGE																	
FLASHING OPERATION																	

FIREHOUSE PRE-EMPTION																	
PRE-EMPTION CHANGE																	

TOD NO: XX353-18
SHA NO: W0340K51
MD 589 @ Manklin Creek Road

WIRING DIAGRAM



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 589 (RACE TRACK ROAD) AT MANKLIN CREEK ROAD
OCEAN PINES, MARYLAND

GENERAL INFORMATION PLAN

SCALE: 1" = 20'	DATE: 10/01/10	CONTRACT NO.: XX3535168
DESIGNED BY: K. OWENS	COUNTY: WORCESTER	
DRAWN BY: K. OWENS	LOGMILE: 23058902.12	
CHECKED BY: J. PALADUCCI	TMS NO.: J799	
F.A.P. NO.:	TOD NO.:	
TS NO. 2406 B	DRAWING: pSG OFNOO1	SHEET NO. 2 OF 2



SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 100
BALTIMORE, MD 21227
(410) 737-6564